



Revision number:

Purchasing Agent: Debbie Gundersen

Item: LIQUID ANTI-ICER APPLICATOR (SKID MOUNTED)

Vendor: 97144A Green Pro
 P O Box 617
 Emery UT 84522-0617

Internet Homepage:

Telephone: 435 286-2424

Fax number: 435 286-2229

Contact: Kirk Perkins

Email address:

Brand/trade name: Spratronics RD-100-VO

Price: See Attached Price List

Terms: Net 30

Effective dates: 11/5/98 through 11/5/99

Days required for delivery: 21 Days

Price guarantee period: 1 Year

Minimum order: One

Min shipment without charges:

Other conditions:

THIS IS A NEW CONTRACT.

This contract covers only those items listed in the price schedule. It is the responsibility of the agency to ensure that other items purchased are invoiced separately. State agencies will place orders directly with the vendor (creating a PG in Finet) and make payments for the same on a PV referencing the original PG. Agencies will return to the vendor any invoice which reflects incorrect pricing.



Liquid Anit-Icer Applicator, Skid Mounted Spratronics RD-100-VO delivered.

\$12,706.30/ea.

SPECIFICATIONS

The anti-icer is to be new unit, 1998 or newer model. The equipment is to meet the following minimum specifications but is not limited as to features furnished by the manufacturer. The equipment is to have all standard features. The equipment is to be delivered assembled, serviced, tested and ready to operate.

SKID

Unit shall include the tank, pumping mechanism, and spray bar, mounted on a integral skid. The skid shall have provision for mounting in the bed of a standard dump body including 3/8" transport (G70) chains with binders (no welding permitted). Or ratchet, nylon straps shall be used to hold the assembly down. The tank shall be mounted on an independent cradle, 304 stainless steel which is mounted to a 304 stainless steel slip-in frame. The slip-in frame shall be constructed of 2" x 4" 304 stainless steel tubing frame and 4" x 2" of 304 stainless steel tubing for the front header and rear lifting eyes. There shall be a minimum of four (4) lifting eyes to remove the tank from the truck and load to storage racks. The four lifting eyes shall be constructed of 2" x 4" hardened D-rings on the top of the tubing for lifting the unit from the dump body bed.

TANK

The tank shall be a minimum of 1600 gallons elliptical polyethylene tank capable of fitting a standard Tandem Axle Dump Truck 14' with a flat floor of 72".

To have a product level gauge with an indicator and scale clearly marked by embossed numbers showing tank level in U.S. Gallon increments. The scale shall be located and of sufficient size to be clearly visible at the rear of the unit from ground level. To have a low level indicator light in the truck cab.

Product pump will be a positive centrifugal type polypropylene pump and operate independent of the sanders hydraulic controls. The pump will be mounted at the rear of the unit on a stainless steel bracket. The hydraulic close coupled water pump will be controlled electronically via hydraulic proportional valve already installed in the truck.

To have 2 1/2" minimum diameter steel load line with shut off-off valve and quick disconnect fitting provided. The load line will enter through the rear of the tank and extend upward to an anti-siphon dome inside the tank.

The tank outlet will consist of a 3" minimum diameter, outlet, with an easy clean out suction strainer between the tank outlet and the pump inlet.

CONSOLE

The control console shall be installed locally. The control console will retrofit to existing hydraulics for the operations of sand and liquid applications. It is the responsibility of successful bidder to make arrangements to have the Liquid Anti-Icer Applicator installed and tested before delivery.

Console will have a built in ground speed simulator. To provide any test simulation when the vehicle is in the shop and not moving. This is to provide a trouble shooting guide.

CONTROLS



The system will maintain a selected application rate regardless of travel speed, spread width, engine speed, and hydraulic flow variations.

The system will have the capability to apply product through the range of 10 to 160 gallons at speeds from 05 to 50 MPH.

Operator controls will include:

- Power on/off switch
- Spray bar on/off switch
- 12' Main-bar select switch
- 12' Left wing select switch
- 12' Right wing select switch
- Application rate adjustment switch
- Self-illuminated display
- Application rate in gal/mile
- Low tank level warning
- Controller must have a Blast feature
- Total distance worked
- Total granular applied
- Total liquid applied
- Vehicle speed
- Liquid left in tank
- Distance traveled

The controls will be used in a Anti-Icing operation but have the capability to remove the Liquid Anti-Icer Applicator and install a Salt/Sander Pre-wetting spreader and use the same controls for the spreader.

The unit shall be capable of spraying a 12 foot wide path through a single boom, along with the ability to spray a 12 foot width path on either side of the truck. The complete unit shall be able to cover 36 feet.

The control of this path shall be done by a minimum of three (3) minimum independent spray booms covering up to 36' with three booms open and operating. All booms may be open at one time allowing the operations of up to three lanes and 160 gallons per lane mile.

The booms of the spray bars must be able to fold up and out of the way for loading and unloading the body from the dump body and storage of the unit. When the spray bar is folded up or down the hoses connecting to the control valves shall be reconnected quickly be design. The RD-100-VO doesn't use a boom system, folding up and out of the way isn't an issue.

Nozzles will maintain an accurate, non-atomized distribution throughout the range of application rate and travel speed.

All of the liquid in the tank shall be able to be used when unit is on a 7 degree grade.

PAINT

Parts such as ladder, steps, etc that is not stainless steel shall be powder coated, coated with two coats of "Ceram Kote".

TRAINING



The units shall be complete and ready for operation when delivered. A minimum of one day of training shall be provided with the units when delivered.

DELIVERY

Delivery must include the following:

- S** dealer's invoice
- S** a copy of warranty
- S** operator's manual for each unit
- S** 4 complete sets of manuals including:
- S** parts list, repair manual, operator's manual.

Cost of these manuals is to be included in bid price.

REPORTS

The contractor will submit yearly reports to the State Purchasing Agent (Debbie Gundersen) showing quantities and dollar volume of purchases by each agency and political subdivision. This report will be due by 11/1/99.

FINET COMMODITY CODE(S): **FOR AGENCY USE ONLY**

76566000000 - SPREADERS, SELF-PROPELLED (FOR AGGREGATES, ICE CONTROL MATERIALS, SEAL COATINGS, ETC.)